

## Amendments To The Claims

1. (currently amended) A display unit comprising:

a matrix of independently controllable pixels comprising m rows and n columns of discrete pixels, said matrix for generating an image therein by light modulation and wherein said image is representative of information stored in a frame buffer memory; and

Bh  
Cm  
a pixel border having a predetermined width, said pixel border surrounding said matrix of independently controllable discrete pixels and comprising dummy pixels, wherein each dummy pixel is analogous to a pixel of said matrix but without containing ~~an~~ any active element and not capable of modification, and wherein said dummy pixels allow light to pass through to improve contrast of edge-displayed images of said matrix.

2. (original) A display unit as described in Claim 1 and further comprising a back lighting element for illuminating said matrix and said pixel border.

3. (original) A display unit as described in Claim 2 wherein each pixel of said matrix comprises: a red subpixel having a first active element; a green subpixel having a second active element; and a blue subpixel having a third active element.

4. (original) A display unit as described in Claim 3 wherein each dummy pixel of said matrix comprises: a red sub-dummy-pixel; a green sub-dummy-pixel; and a blue sub-dummy-pixel.

5. (original) A display unit as described in Claim 1 wherein said predetermined width is two pixels.

6. (original) A display unit as described in Claim 1 wherein said matrix comprises 160 rows and 160 columns of discrete pixels.

7. (original) A display unit as described in Claim 1 wherein said matrix is fabricated using thin film transistor liquid crystal display technology.

8. (currently amended) A portable electronic device comprising:

- a processor coupled to a bus;
- a memory unit coupled to said bus;
- a user input device coupled to said bus; and
- a display unit coupled to said bus and comprising:
  - a matrix of independently controllable pixels comprising m rows and n columns of discrete pixels, said matrix for generating an image therein by light modulation and wherein said image is representative of information stored in a frame buffer memory; and
  - a pixel border having a predetermined width, said pixel border surrounding said matrix of independently controllable discrete pixels and

comprising dummy pixels, wherein each dummy pixel is analogous to a pixel of said matrix but without containing ~~an~~ any active element and not capable of modification, and wherein said dummy pixels allow light to pass through to improve contrast of edge-displayed images of said matrix.

9. (original) A portable electronic device as described in Claim 8 further comprising a back lighting element for illuminating said matrix and said pixel border.

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10. (original) A portable electronic device as described in Claim 9 wherein each pixel of said matrix comprises: a red subpixel having a first active element; a green subpixel having a second active element; and a blue subpixel having a third active element.

11. (original) A portable electronic device as described in Claim 10 wherein each dummy pixel of said matrix comprises: a red sub-dummy-pixel; a green sub-dummy-pixel; and a blue sub-dummy-pixel.

12. (original) A portable electronic device as described in Claim 8 wherein said predetermined width is two pixels.

13. (original) A portable electronic device as described in Claim 8 wherein said matrix comprises 160 rows and 160 columns of discrete pixels.

14. (previously presented) A portable electronic device as described in Claim 8 wherein said matrix is fabricated using thin film transistor liquid crystal display technology.

15. (currently amended) A display unit comprising:

a matrix of independently controllable pixels comprising m rows and n columns of discrete pixels, said matrix for generating an image therein by light modulation and wherein said image is representative of information stored in a frame buffer memory and wherein each pixel of said matrix comprises a respective active element and respective filter elements;

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ml*  
a pixel border having a predetermined width, said pixel border surrounding said matrix of independently controllable discrete pixels and comprising dummy pixels, wherein each dummy pixel comprises respective filter elements without ~~an~~ any active element and not capable of modification, and wherein said dummy pixels allow light to pass through to improve contrast of edge-displayed images of said matrix; and

a back lighting element for illuminating said matrix and said pixel border.

16. (original) A display unit as described in Claim 15 wherein said respective filter elements of each pixel of said matrix comprise: a red filter; a green filter; and a blue filter.

17. (original) A display unit as described in Claim 16 wherein said respective filter elements of each dummy pixel of said matrix comprise: a red filter; a green filter; and a blue filter.

18. (original) A display unit as described in Claim 15 wherein said predetermined width is two pixels.

19. (original) A display unit as described in Claim 15 wherein said matrix comprises 160 rows and 160 columns of discrete pixels.

20. (original) A display unit as described in Claim 15 wherein said matrix is fabricated using thin film transistor liquid crystal display technology.

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